

IN THE CLAIMS

1. (currently amended) A system for two-way radio communication comprising:
 - (a) a first two-way radio comprising:
 - (i) a means for selecting and transmitting a signal code to a shared, public base/repeater station; and
 - (ii) a means for sending two-way radio communication signals to said shared, public base/repeater station;
 - (iii) a means for receiving two-way radio communication signals from said shared, public base/repeater station;
 - (b) said shared, public base/repeater station comprising:
 - (i) a base/repeater station decoder at said shared, public base/repeater station for decoding the signal code from said first two-way radio into a signal that is recognized by a base/repeater station controller located at said shared, public [[the]] base/repeater station and transferring said signal to said base/repeater station controller via a dedicated connection; and
 - (ii) wherein said base/repeater station controller comprises a means for receiving said decoded signal from said base/repeater station decoder and correlating said decoded signal to one or more internet addresses associated with at least one [[said]] target base station by which there is established a bi-directional computer network link with said at least one target base station using said internet address for the exchange of two-way radio communication signals ~~and a means for establishing a bi-directional computer network link with at least one target station using said internet address for the exchange of two-way radio communication signals;~~
 - (iii) wherein said shared, public base/repeater station further comprises a means for sending and receiving two-way radio communications signals to and from said first two-way radio; and
 - (c) wherein said at least one said target base station ~~comprising~~ comprises:

- (i) a target station controller located at said target base station comprising a means for establishing a bi-directional computer network link with said shared, public base/repeater station for two-way radio communication signals;
 - (ii) wherein said at least one target base station further comprises a means for sending and receiving two-way radio communication signals to and from a second two-way radio; and
 - (d) at least one second two-way radio comprising:
 - (i) a means for receiving two-way radio communication signals from said at least one [[said]] target base station; and
 - (ii) a means for sending two-way radio communication signals to said at least one [[said]] target base station; and
 - (e) whereby two-way radio communication signals are bi-directionally exchanged directly between said first two-way radio and said second two-way radio via said bi-directional computer network link directly between said shared, public base/repeater station controller and said target station controller.
2. (currently amended) A system as defined in Claim 1 wherein said means for selecting a signal code to said shared, public base/repeater station is a keypad device.
3. (currently amended) A system as defined in Claim 1 wherein said means for selecting a signal code to said shared, public base/repeater station is a channel selector device.
4. (previously presented) A system as defined in Claim 1 wherein said signal code is selected from the group consisting of the following signaling methods: DCS (Digitally Code Squelch), CTCSS (Continuous Tone Coded Squelch), DTMF (Dual-Tone Multi-Frequency) or any combination thereof.

5. (original) A system as defined in Claim 1 wherein said signaling method comprises a modulated RF carrier.
6. (previously presented) A system as defined in Claim 1 wherein said signal code is selected from the group consisting of the following communication protocols: LTR (Logic Trunked Radio), MPT-1327 (Ministry of Post and Telecommunications-1327), EDACS (Enhanced Digital Access Control System), conventional (non-trunked) or any combination thereof.
7. (currently amended) A system as defined in Claim 1 wherein said shared, public base/repeater station means for correlating the signal to one or more internet addresses associated with a target station is a computer based radio controller that contains a relational data base.
8. (previously presented) A system as defined in Claim 1 wherein the Internet address is an IP address.
9. (currently amended) A system as defined in Claim 1 wherein said means for establishing a bi-directional computer network link ~~with between said at least one or more target base station and said shared, public~~ base/repeater station[[s]] is a voice communication system selected from a group consisting of conventional, trunked radio systems or combinations thereof.
10. (currently amended) A system as defined in Claim 1 wherein said at least one target base station further comprises a target station decoder for decoding a signal code from said second two-way radio into a signal that can be recognized by a base/repeater station controller and for transferring said signal to said base/repeater station controller; and wherein said target station controller further comprises a means for receiving a decoded signal from said target station decoder and correlating said decoded signal into one or more internet addresses associated with one or more shared, public base/repeater stations and a means for establishing a bi-

directional computer network link with said at least one shared, public base/repeater station for the exchange of communication signals using said internet address; and wherein said at least one second two-way radio is further comprised of a means for selecting and transmitting a signal code to said at least one [[a]] target base station.

11. (currently amended) A method for exchanging two-way radio communication signals between two-way radios via a bi-directional computer network link directly between a shared, public base/repeater station and at least one target base station[[s]], said method comprising:
 - (a) transmitting a signal code and two-way radio communication signals from a two-way radio to [[a]] said shared, public base/repeater station having a controller located at [[the]] said shared, public base/repeater station;
 - (b) decoding said signal code and correlating said decoded signal code at said shared, public base/repeater station location to one or more internet addresses and establishing a bi-directional computer network link with said at least one target base station using said internet address to exchange two-way radio communication signals;
 - (c) establishing a bi-directional computer network link directly between said shared, public base/repeater station and said at least one target base station having a controller at said at least one [[the]] target base station through said internet address;
 - (d) transmitting two-way radio communication signals over said computer network link directly to said at least one [[said]] target base station;
 - (e) transmitting said two-way radio communication signals from said at least one target base station to a second two-way radio;
 - (f) transmitting two-way radio communication signals from said second two-way radio to said at least one target base station;
 - (g) transmitting two-way radio communication signals from said at least one target base station over said computer network link directly to said shared, public base/repeater station; and
 - (h) transmitting two-way radio communication signals from said shared, public

base/repeater station to said first two-way radio.

12. (original) A method as defined in Claim 11 wherein said signal code is selected on a keypad device.
13. (original) A method as defined in Claim 11 wherein said signal code is selected on a channel selector device.
14. (previously presented) A method as defined in Claim 11 wherein said signal code is selected from the group consisting of the following signaling methods: DCS (Digitally Code Squelch), CTCSS (Continuous Tone Coded Squelch), DTMF (Dual-Tone Multi-Frequency) or any combination thereof.
15. (previously presented) A method as defined in Claim 11 wherein said signal code is selected from the group consisting of the following communication protocols: LTR (Logic Trunked Radio), MPT-1327 (Ministry of Post and Telecommunications-1327), EDACS (Enhanced Digital Access Control System), or any combination thereof.
16. (currently amended) A method as defined in Claim 11 wherein said signal code is correlated to one or more internet addresses associated with said at least one [[a]] target base station by a radio controller using a computer based relational data base and a suitable decoder.
17. (original) A method as defined in Claim 11 wherein the Internet address is an IP address.
18. (currently amended) A method as defined in Claim 11 wherein said bi-directional computer network link ~~with between said at least one or more target base station and said shared, public~~ base/repeater station[[s]] is established by a voice communication system selected from the group consisting of trunked, conventional

radio systems or a combination thereof.

19. (new) A system for two-way radio communication outside of a cellular network comprising:
 - (a) a first two-way radio comprising:
 - (i) a means for selecting and transmitting a signal code to a shared, public base/repeater station; and
 - (ii) a means for sending two-way radio communication signals to said shared, public base/repeater station;
 - (iii) a means for receiving two-way radio communication signals from said shared, public base/repeater station;
 - (b) said shared, public base/repeater station comprising:
 - (i) a base/repeater station decoder at said shared, public base/repeater station for decoding the signal code from said first two-way radio into a signal that is recognized by a base/repeater station controller located at said shared, public base/repeater station and transferring said signal to said base/repeater station controller via a dedicated connection; and
 - (ii) wherein said base/repeater station controller comprises a means for receiving said decoded signal from said base/repeater station decoder and correlating said decoded signal to one or more internet addresses associated with at least one target base station by which there is established a bi-directional computer network link with said at least one target base station using said internet address for the exchange of two-way radio communication signals;
 - (iii) wherein said shared, public base/repeater station further comprises a means for sending and receiving two-way radio communications signals to and from said first two-way radio; and
 - (c) wherein said at least one said target base station comprises:
 - (i) a target station controller located at said target base station comprising a means for establishing a bi-directional computer network link with said shared, public base/repeater station for two-way radio

- (d) at least one second two-way radio comprising:
 - (i) a means for receiving two-way radio communication signals from said at least one target base station; and
 - (ii) a means for sending two-way radio communication signals to said at least one target base station; and
 - (e) whereby two-way radio communication signals are bi-directionally exchanged directly between said first two-way radio and said second two-way radio via said bi-directional computer network link directly between said base/repeater station controller and said target station controller.